

TOP DOWN VIEW
FWD ----->

SIDE VIEW
FWD ----->


REVISION HISTORY					
REV	DATE	DESCRIPTION	AUTHOR	CHECKED BY	APPROVED
A	5/28/19	INITIAL RELEASE	ZA	LS	ZA
B	7/9/19	NOTE 11 ADDED; ITEMS 25 THRU 28 ADDED TO BOM AND SHT 4	ZA	LS	ZA
C	1/2/20	ITEM #10 NOW AS1034D0808 OLD PART AS ALT	ZA	LS	ZA

-1 PLUMBING INSTALLATION

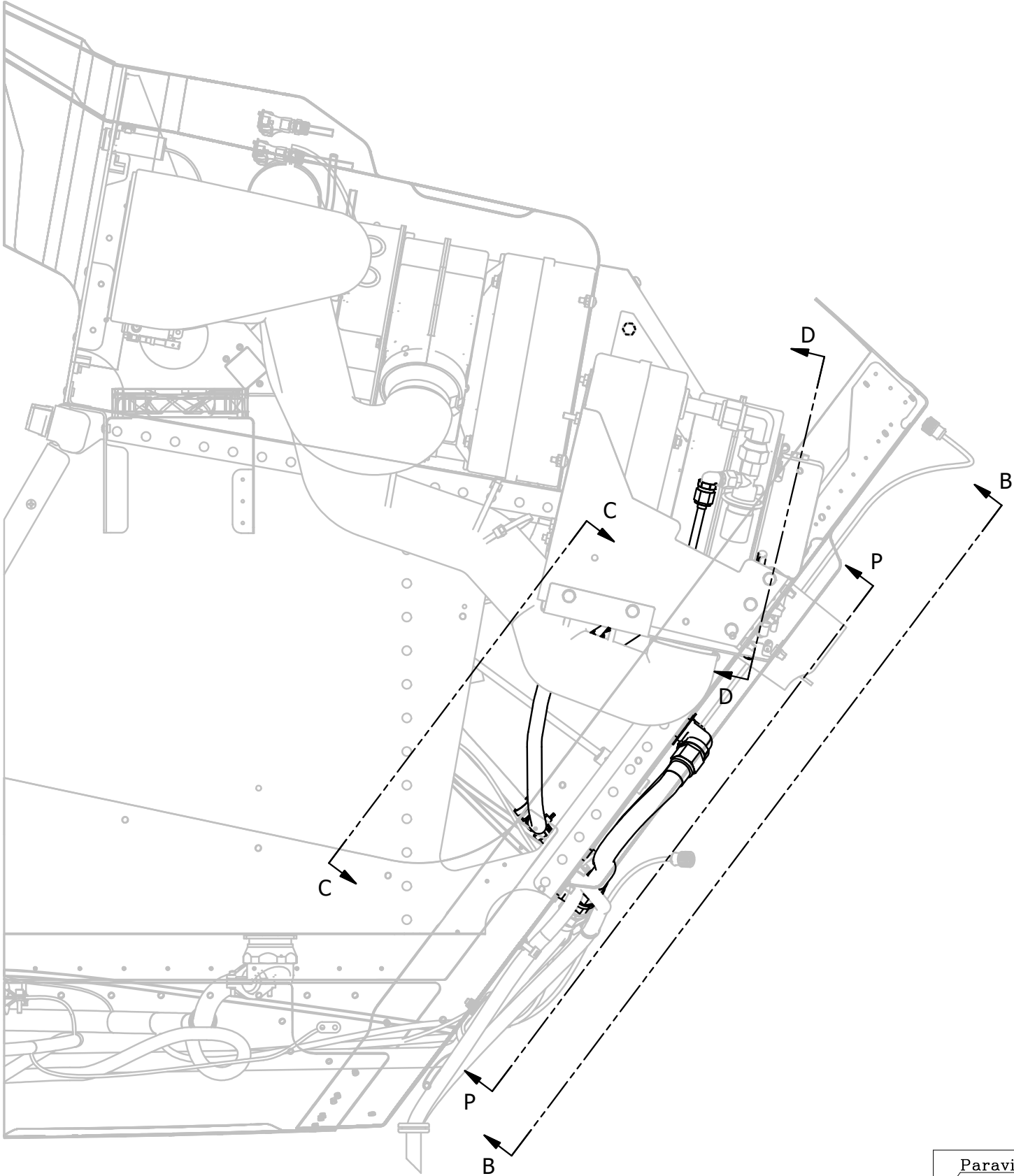
- NOTES:**
- PERMISSIBLE TO USE PLUMBING MOUNTING CLAMPS ONE OR TWO SIZES BIGGER OR SMALLER, PER PRODUCTION NEEDS.
 - TOUCH-UP FINISH PER BHT-ALL-SPM CHAPTER 4.
 - TORQUE FASTENERS PER BHT-ALL-SPM CHAPTER 2.
 - ATTACH DRAIN HOSE WITH ZIP TIES AS REQUIRED.
 - TORQUE TUBE AND HOSE NUTS TO VALUE SPECIFIED IN PR-505AC-900M INSTALLATION INSTRUCTIONS. ALLOW FIFTEEN SECONDS TO ELAPSE FOR COMPRESSION OF SECO SEAL TO OCCUR. RETIGHTEN TUBE NUT TO TORQUE VALUE SPECIFIED.
 - CUT EXISTING EVAPORATOR DRAIN HOSE WHERE NECESSARY TO INSERT ES49008-3 TEE. PREPARE SURFACE PER BHT-ALL-SPM AND BOND IN PLACE WITH 299-947-125 TYP I (EA9309).
 - REMOVE AN833-4D & AN833-8D BULKHEAD ELBOWS IF PRESENT BEFORE INSTALLING AN834-4D & AN834-8D BULKHEAD TEES TO THE SAME TUBES.
 - CONSUMABLE MATERIALS ARE NOT PROVIDED. REFER TO THE PR-505AC-900M INSTALLATION INSTRUCTIONS.
 - AFTER INSTALLATION, COAT ALL VISIBLE FASTENER HEADS AND ANY METAL SURFACES OF THE AIR CONDITIONING SYSTEM LOCATED IN THE COCKPIT AREA WITH ONE LAYER OF FLAT BLACK FINISH PER MIL-PRF-85285 TYPE 1 CLASS H, COLOR 37038 BLACK.
 - IT IS PERMISSIBLE TO USE LOCTITE 554 ON PLUMBING FITTINGS IN ORDER TO ACHIEVE PROPER SEAL.
 - INSTALL NUTS WITH THREAD LOCKER PER BHT-ALL-SPM CHAPTER 13 ITEM NO. C-299 OR C-320.

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PROTO

<div>Paravion® Technology Inc.</div> <div>DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ±.1 .XX = ±.05 .XXX= ±.010 ANGLES=± 1°</div> <div>THREADS: INTERNAL: CLASS 2B EXTERNAL: CLASS 2A</div>	TITLE PLUMBING INSTALLATION				DRAWING NUMBER 505AC-543	
	DRAWN BY ZA	CHK'D BY	APRVD. BY	DATE 7/30/18	REV C	ECO
	<div></div>				SHEET	
	DO NOT SCALE DRAWING				1 OF 5	
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C
B
A

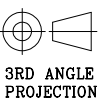


DETAIL A


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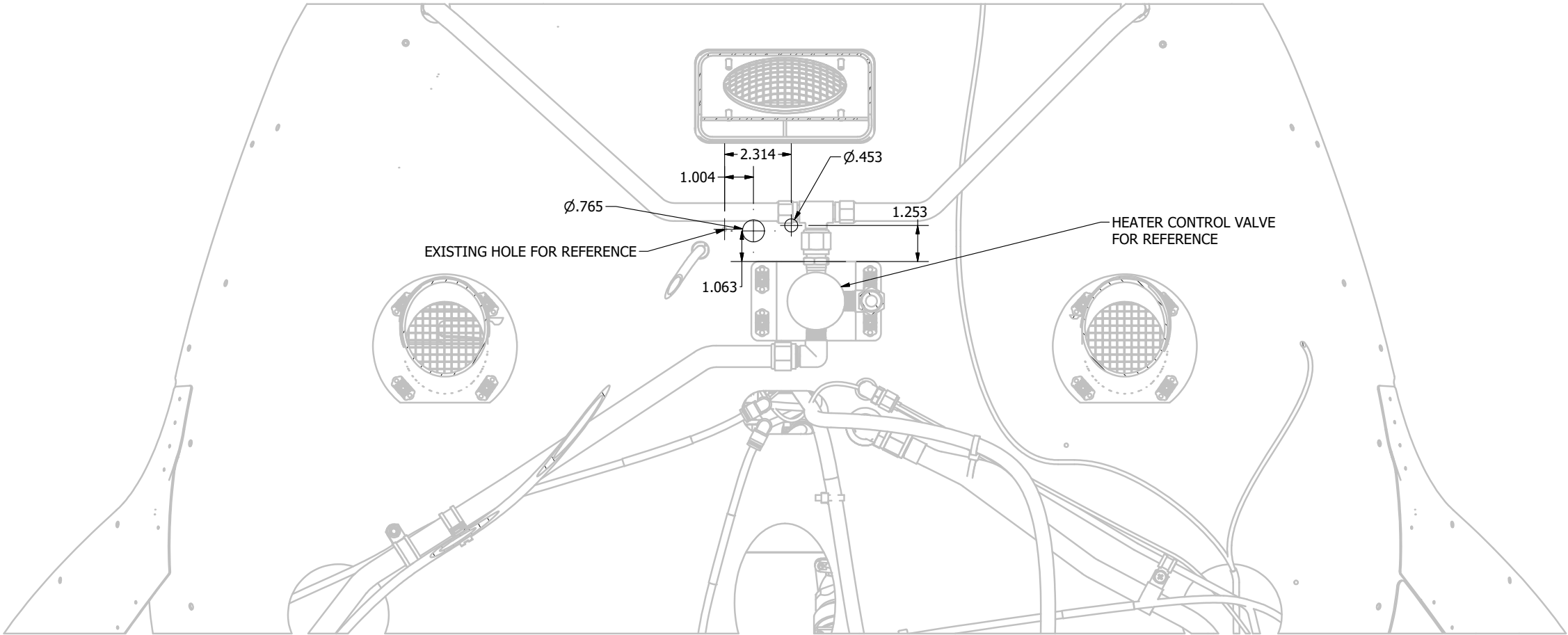
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TOLERANCES EXCEPT
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ANGLES=± 1°
THREADS:
INTERNAL: CLASS 2B
EXTERNAL: CLASS 2A



3RD ANGLE
PROJECTION

TITLE				DRAWING NUMBER		
PLUMBING INSTALLATION				505AC-543		
DRAWN BY	CHK'D BY	APRVD. BY	DATE	REV	ECO	
ZA			7/30/18	C		
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D ANGLE JECTION						

A

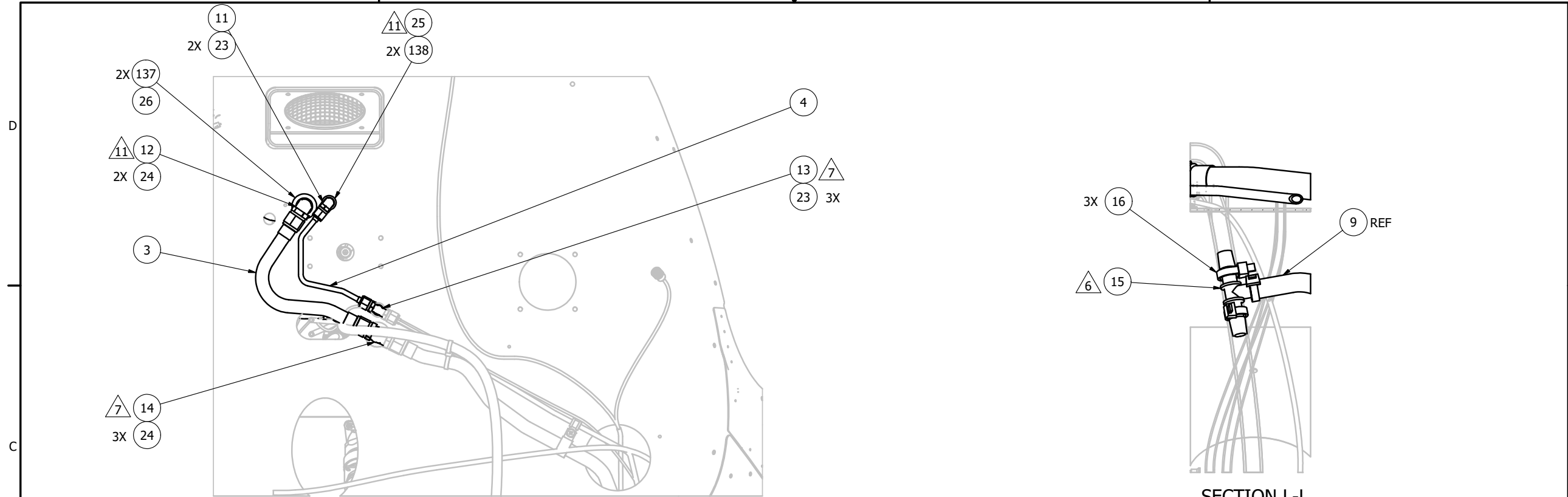


SECTION P-P

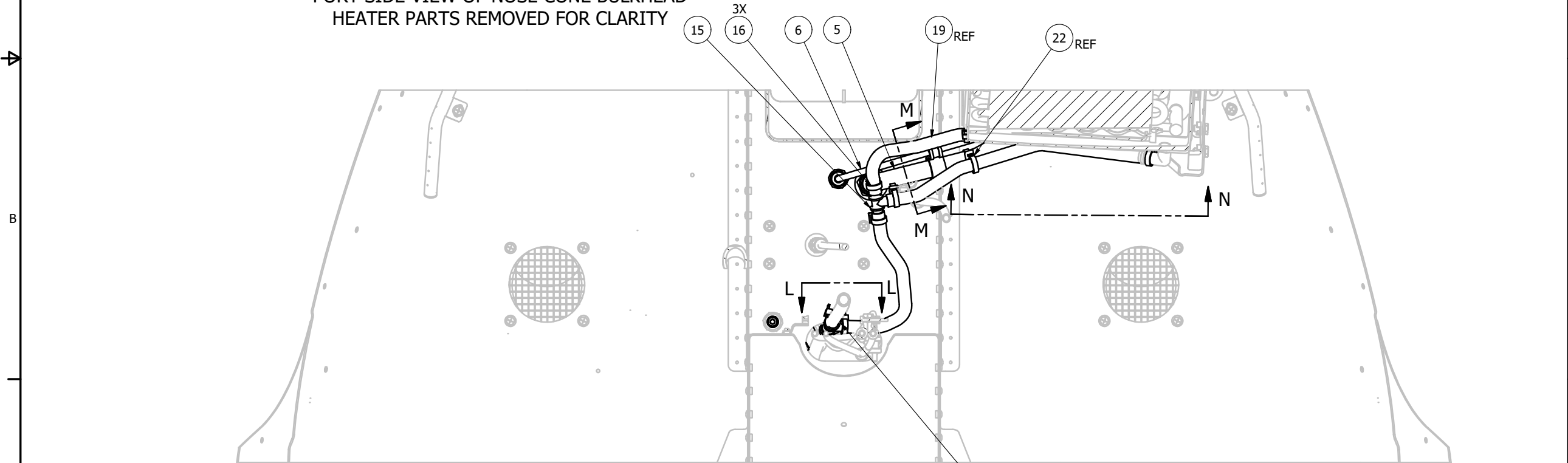
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Paravion® Inc. Technology		TITLE PLUMBING INSTALLATION				DRAWING NUMBER 505AC-543	
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		ZA			7/30/18	C	
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SECTION B-B
PORT SIDE VIEW OF NOSE CONE BULKHEAD
HEATER PARTS REMOVED FOR CLARITY



SECTION C-C

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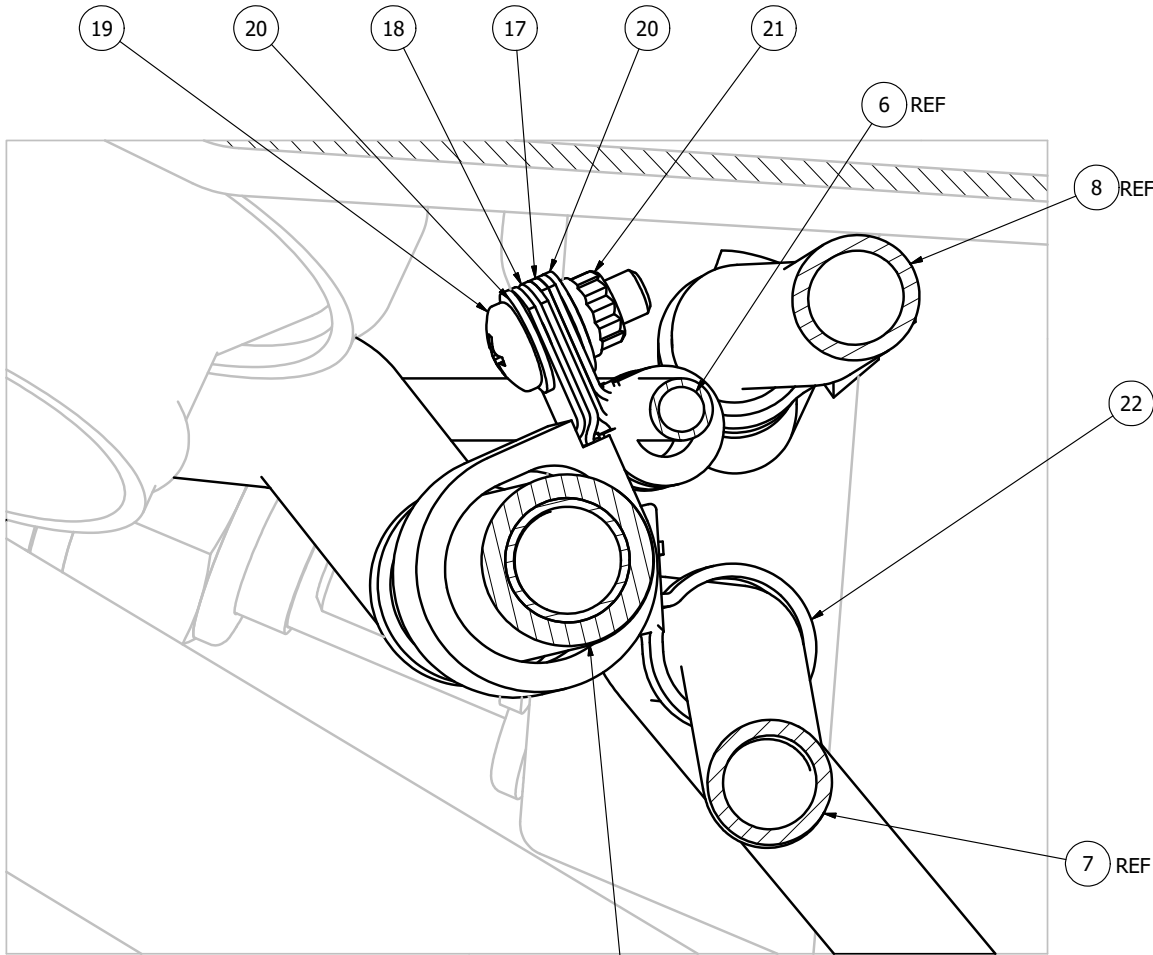
PROTO

Paravion® Inc.
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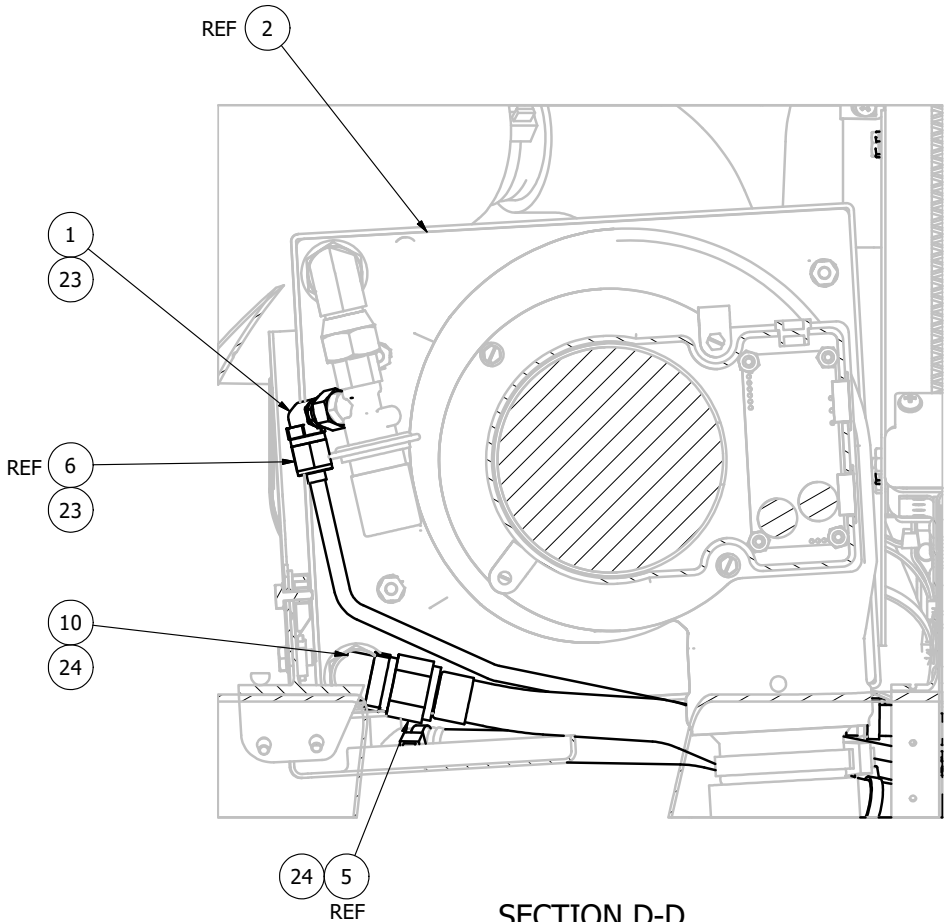
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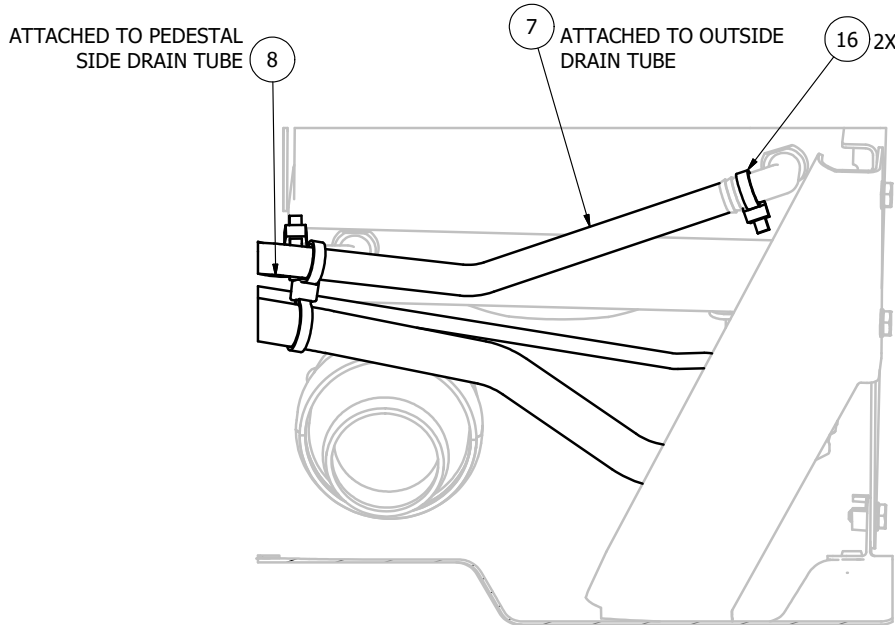
3RD ANGLE
PROJECTION



SECTION M-M
TUBE AND HOSE CONNECTIONS



SECTION D-D
505AC-4403-14 EVAPORATOR SHROUD REMOVED FOR CLARITY

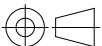


SECTION N-N
UNDERSIDE OF RH FWD EVAP
DUCTING REMOVED FOR CLARITY

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3RD ANGLE
PROJECTION

Bill of Materials

*505AC-543-1, REV. C

ITEM #	P/N	DESCRIPTION	QTY	TYP
0	*505AC-543-1, REV. C	PLUMBING INSTALLATION	1	KIT
1	4 C6X-S	ELBOW MALE/FEMALE	1	EA
2	505AC-4403-1	RH FWD EVAP (REF)	1	EA
3	505AC-5433-5	TUBE ASSEMBLY	1	EA
4	505AC-5433-6	TUBE ASSEMBLY	1	EA
5	505AC-5433-7	RH FWD EVAP OUTLET TUBE	1	EA
6	505AC-5433-8	RH FWD EVAP INLET TUBE	1	EA
7	505AC-5433-31	BOTTOM DRAIN HOSE	1	EA
8	505AC-5433-32	SIDE DRAIN HOSE	1	EA
9	505AC-5433-33	T-FITTING HOSE	1	EA
10	AS1034D0808	ELBOW (ALT: AN821-8D)	1	EA
11	AN833-4D	ELBOW, BULKHEAD	1	EA
12	AN833-8D	ELBOW, BULKHEAD	1	EA
13	AN834-4D	BULKHEAD TEE	1	EA
14	AN834-8D	BULKHEAD TEE	1	EA
15	ES49008-3	TEE	2	EA
16	MS3367-2-0	ZIP TIE	8	EA
17	MS21919WDG4	ADEL CLAMP	1	EA
18	MS21919WDG12	ADEL CLAMP	1	EA
19	MS27039-1-08	SCREW	1	EA
20	NAS1149D0332J	WASHER	2	EA
21	NAS9926-3L	LOCKING NUT	1	EA
22	PLB2S-C0	DOUBLE LOOP ZIP TIE	1	EA
23	SECO-7A4	SECO SEAL	7	EA
24	SECO-7A8	SECO SEAL	7	EA
25	AN924-4W	NUT	1	EA

Bill of Materials

*505AC-543-1, REV. C

ITEM #	P/N	DESCRIPTION	QTY	TYP
26	AN924-8D	NUT	1	EA
27	AN960-716L	WASHER	2	EA
28	AN960-1216L	WASHER	2	EA